Borough of Shrewsbury





REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1964

SHREWSBURY
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BOROUGH OF SHREWSBURY

THE PUBLIC HEALTH COMMITTEE

COUNCILLOR R. J. H. EDWARDS (Chairman)

Alderman H. R. Beckett Alderman Miss E. Beddard Alderman J. F. Burgess Councillor E. T. Dawson Councillor Mrs. G. I. Dyas Councillor W. R. G. Farr Councillor F. G. A. Fullwell Councillor E. F. Hall Councillor A. H. Howl Councillor H. Jellicoe-Wall Councillor G. T. I. Marston Councillor L. McDonald

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health

A. C. MACKENZIE, M.D., D.P.H.

Senior Public Health Inspector

¶ *C. STANLEY, Cert. R.S.I.

Additional Public Health Inspectors

*J. INNES, Cert. R.S.A.S. *J. B. Jones, Cert. R.S.I.

*B. N. HEATON, Cert. P.H.I.E.B. (commenced 1st May, 1964)

Chief Clerk

G. T. NICHOLAS

Clerk

F. R. WOOTTON

Abattoir Superintendent

*W. G. Hunter, Cert. P.H.I.E.B. (commenced 27th June, 1964)

Assistant Meat Inspectors

*J. T. Griffiths, Cert. P.H.I.E.B.

*N. Edge, Cert. R.S.I.

PART-TIME OFFICERS

Meteorological Observer

R. GRAY

Public Analyst

J. G. SHERRATT, B.Sc., F.R.I.C.

* Qualified Meat Inspectors.

 \P Smoke Inspector's Certificate of the Royal Sanitary Institute.

HEALTH CENTRE,
MURIVANCE,
SHREWSBURY.

July, 1965.

To the Mayor, Aldermen and Councillors of the Borough of Shrewsbury

MR. MAYOR, LADIES AND GENTLEMEN,

I have the honour to present the Annual Report on the health and sanitary circumstances of the Borough for the year 1964.

The population of the Borough has continued to increase and was estimated at 51,130, with a population density of 6.3 persons per acre. It is noted that this year the excess of births over deaths accounts for most of the increase of population.

During the year the department was fully staffed except during short periods between members of staff leaving and their replacements arriving.

Early in the year Mr. Edge, the Superintendent of the Abattoir, an old and trusted servant of the Corporation was advised, on medical grounds, to resign his appointment. He asked to continue to work for the Corporation as meat inspector. The Committee agreed that this was a wise decision. Mr. W. G. Hunter was appointed to the vacant post of abattoir superintendent.

The official opening of the abattoir took place in April and was shortly followed by that of the redesigned sewage works.

A boundary commission was held by the Salop County Council during the year and this report may be the last written about the mediaeval town of Shrewsbury as defined by the 1933 commission.

In his annual report for 1934, the Medical Officer of Health, Dr. A. D. Symons, wrote: "As this is the last Health report that will be written concerning the Borough of Shrewsbury as defined by the boundaries which have remained unaltered for 100 years, I have thought that at the close of this chapter in Shrewsbury's history we might glance back at the past to see what was and what is now, and so be encouraged to go on improving the condition of things for the welfare of the community which has now been increased by the extension of our boundaries".

I feel it is of interest to mention some of the events which were considered to be landmarks then, add one or two more, and comment from a medical-social angle on some differences between 1933–1964.

The year 1910 will always be marked down as a great year in Shrewsbury's health history, as in that year Bell's pressure filters having been installed in the waterworks in 1909, the cases of typhoid fever which had averaged nine per annum, with an average of two deaths over the previous ten years, fell to an average of less than one case per annum, with only one death in the next ten years.

In 1933 no case of diphtheria cccurred in Shrewsbury. This was an unprecedented event not repeated until 1948. The last notified case occurred in 1950, but immunisation against diphtheria is still considered to be essential. Scarlet fever, a killer of 79 in 1877, although still present in a modified form, has not the virulence to which those in practise before 1939 were accustomed.

The figures for infant mortality show, not only the efficiency of maternal and ante-natal care, but also the healthiness of the inhabitants. In 1910 this figure fell below 100 for the first time and only twice afterwards was that figure exceeded (1911 and 1914). In 1922, fifty was "broken" for the first time, in 1933 the figure was forty-four and the teens were entered in 1950, when eighteen deaths per 1,000 was achieved. The present lowest rate was thirteen in 1963, and it is hoped that single figures will soon be the order of the day.

In the field of social legislation, 1937 saw the passing of the Factories Act. This Act consolidated several previous regulations and made regulations for the medical supervision of persons working in factories. It laid down special provisions for the health, safety and welfare of workers in all factories. The obvious sequel to this Act, the Offices, Shops and Railway Premises Act, became law in 1964.

In 1933 the Medical Officer of Health mentioned that Shrewsbury was classified by virtue of the acceptance of our daily meteorological readings by the leading London papers as a "Health Resort". Dr. Symons asked why she should not at some future time claim recognition as a spa by virtue of the well known mineral spring at Sutton Spa.

This year a new attractions and publicity campaign has started with a summer show in the Quarry which may become as well known as the flower show.

* * *

The work of the department has continued in its rather unspectacular way as shown by the tables of visits made by the health inspectors. Results from this work are generally not as obvious as the results of the activities of some other departments, but the standard of food hygiene throughout the town has improved over the years and "slum property" is, more or less, a thing of the past. Much credit is due to the patient, often unexciting, work of the health inspectorate.

Co-operation has once again been excellent from other departments. The Public Health Laboratory Service has always been ready to help where bacteriological or virological problems have had to be solved and the hospital service has been most co-operative. Once again, as your Medical Officer I have been fortunate in not having to deal with any serious outbreaks. It is impossible to claim any credit for this, but one can only hope that by persevering with methods known to be effective, by constant watchfulness, and here I have the good will of the General Medical Practitioners of the

borough to thank, by health education and by maintaining a high level of immunity and good resistance among the population that such infection as does occur will not be unduly serious.

I have to thank the staff of the Health Department for their help and co-operation during the year.

I have the honour to be,
Your obedient Servant,
A. C. MACKENZIE.

GENERAL STATISTICS, 1964

Sum represented by a Penny Rate £9,610 Area of the Borough (excluding water) in acres 8,034 Population (Registrar General's estimate, middle of 1964) 51,130 Persons per acre calculated on above population 6.3 Inhabited Houses (December 31st, 1964) 16,091 MALE FEMALE Live Births { Legitimate 470 429	Rateable Value of the Borough			£2,370,560
Population (Registrar General's estimate, middle of 1964) 51,130	Sum represented by a Penny Rate			£9,610
Persons per acre calculated on above population	Area of the Borough (excluding water) in acres	3		8,034
Persons per acre calculated on above population	Population (Registrar General's estimate, middl	e of 196	64)	51,130
Inhabited Houses (December 31st, 1964)				
Live Births { Legitimate 470 429				16,091
BIRTH RATE per 1,000 population				
Stillbirths: Number	Live Births $\left\{ \begin{array}{ll} \text{Legitimate} & 470 \\ \text{Illegitimate} & 35 \end{array} \right. \qquad \left. \begin{array}{ll} 429 \\ 28 \end{array} \right\} \text{Te}$	otal	•••	962
Number	BIRTH RATE per 1,000 population	• • •		18.8
Total Live and Stillbirths		• • •	•••	12
Total Live and Stillbirths	Rate per 1,000 total live and stillbirths			12.3
DEATH RATE per 1,000 population	•	•••		974
Infant Deaths (deaths under 1 year)	Deaths	•••		579
Infant Deaths (deaths under 1 year)	DEATH RATE per 1,000 population	•••		11.3
Total infant deaths per 1,000 total live births 17.7 Legitimate infant deaths per 1,000 legitimate live births		•••		17
Legitimate infant deaths per 1,000 legitimate live births	INFANT MORTALITY RATES			
births	Total infant deaths per 1,000 total live bit	rths		17.7
Illegitimate infant deaths per 1,000 illegitimate live births	Legitimate infant deaths per 1,000 legiti	mate li	ive	
births				16.7
Neo-natal Mortality Rate (deaths under 4 weeks per 1,000 total live births) 14.5 Early Neo-natal Mortality Rate (deaths under 1 week per 1,000 total live births) 11.4 Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, Measles (all ages) Nil				91 7
1,000 total live births) 14.5 Early Neo-natal Mortality Rate (deaths under 1 week per 1,000 total live births) 11.4 Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, Measles (all ages) Nil		 weeks т	oer	31.7
Early Neo-natal Mortality Rate (deaths under 1 week per 1,000 total live births) 11.4 Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, Measles (all ages) Nil				14.5
per 1,000 total live births) 11.4 Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil				
under 1 week combined per 1,000 total live and stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil				11.4
stillbirths) 23.6 MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil				
MATERNAL MORTALITY (including abortions) Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil	4 *111 * 47 \		nd	09.6
Number of deaths Nil Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil	•		•••	23.0
Rate per 1,000 total live and stillbirths Nil Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil	Name I am at A. 41	•		Ni
Deaths from Cancer (all ages) 89 ,, ,, Measles (all ages) Nil			• • •	
,, ,, Measles (all ages) Nil			• • •	
			•••	
Whooping Collon (all ages)	Who oning Count (all ames)		• • •	Nil
,, ,, Whooping Cough (all ages) Nil			•••	

WEATHER CONDITIONS

As in the past thirty-five years, daily readings and weather recordings have been continued at Monkmoor Hospital, where a Climatological Station, approved by the Air Ministry, is situated.

The particulars regarding 1964 may be summarised as follows:—

Rainfall.—The total rainfall was 18.81 inches, compared with 20.84, 23.46 and 23.27 in the previous years respectively. This was the lowest rainfall recorded during the existence of the present Climatological Station.

The average rainfall over the last 35 years was 25.76 inches.

Sunshine.—The number of hours of bright sunshine recorded was 1,291.5 hours, compared with 1,320.0, 1,320.4 and 1,342.2 hours in the previous years respectively.

The average sunshine over the last 35 years was 1,350.8 hours.

Temperatures.—Extremes of temperatures during the year were:—

WARMEST DAY (Highest Shade Maximum), August 26th, 80°F.

Warmest Night (Highest Shade Minimum), July 31st, September 11th, 61°F.

COLDEST DAY (Lowest Shade Maximum), December 18th, 30° F. COLDEST NIGHT (Lowest Shade Minimum), December 29th, 16° F.

Month Age of Both State (and Date) Lowest Actions by Action (and Date) Annowable (and		911		AIR TEMPERATURE IN		SHADE °F		SUNSHINE IN HOURS	MOURS		124	RAINFALL IN INCHES	Sa
30.427 42.7 53° on 31st 33.5 22° on 14th 38.1 6.5 on 24th 1.61 50.0 12 .09 on 27th 30.072 45.1 56° on 27th 35.4 21° on 6th 40.2 7.9 on 5th 1.90 55.2 14 .31 on 27th 1 29.984 44.6 54° on 27th 41.1 29° on 7th 48.0 10.3 on 5th 4.10 123.0 17 31 on 24th 30.003 64.9 74° on 26th 40° on 20th 57.0 11.4 on 20th 4.17 130.0 14 190.4 14 29 on 31st 30.003 64.9 74° on 26th 50.0 40° on 20th 57.0 11.4 on 20th 4.17 135.0 14 40.0 14 10.3 on 3th 4.17 135.0 14 30 on 31st 4.10 12.3 11 34 on 15th 31 34 on 15th 4.10 12.3 11 34 on 15th 4.10 12.3 11 31 34 on 15th	1964 Tonth	Barometric Pressu	nsəM mumixsM	Hizbest Maximum and Date	Mean MinimiM	Lowest Minimun and Date		Most Sunskine in one Day	Daily Sans	ernoH IntoT	No. oV Rainy Days	Greatest Fall in one Day	fetoT ffetnieM
30.072 45.1 56° on 27th 35.4 21° on 6th 40.2 7.9 on 5th 1.90 55.2 14 31 on 23rd 29.984 44.6 54° on 20th 34.7 23° on 8th 39.6 9.9 on 26th 1.98 61.3 18 .60 on 24th 1 29.986 54.9 67° on 27th 41.1 29° on 7th 48.0 10.3 on 5th 4.10 123.0 17 .31 on 20th 30.003 64.9 74° on 26th 47.7 37° on 16th 55.3 13.2 on 14th 6.14 190.4 14 .29 on 31st 30.015 68.6 75° on 16th 53.3 39° on 6th 60.9 10.7 on 15th 4.15 14.0 in 25th <	:	30.427	42.7		33.5	22° on 14th	38.1	6.5 on 24th	1.61	50.0		.09 on 27th	.49
1 29.984 44.6 54° on 20th 34.7 23° on 8th 39.6 9.9 on 26th 1.98 61.3 18 60 on 24th 1 29.896 54.9 67° on 27th 41.1 29° on 7th 48.0 10.3 on 5th 4.10 123.0 17 31 on 20th 30.003 64.9 74° on 26th 47.7 37° on 15th 56.3 13.2 on 14th 6.14 190.4 14 29 on 31st 30.015 68.1 77° on 26th 57.0 11.4 on 20th 4.17 125.1 16 44 on 1st 30.015 68.6 75° on 26th 51.2 34° on 31st 59.9 12.7 on 26th 5.52 171.0 12 34 on 26th 30.013 68.6 73° on 26th 51.2 34° on 36th 57.1 10.8 on 1st 5.52 171.0 12 37 on 15th 30.008 55.5 64° on 3rd 47.4 8.8 on 1st 51.3 54.0 18.4 67	:	30.072	45.1	on	35.4	21° on 6th	40.2	7.9 on 5th	1.90	55.2		.31 on 23rd	.91
1 29.896 54.9 67° on 27th 41.1 29° on 7th 48.0 10.3 on 5th 4.10 123.0 17 .31 on 20th 30.003 64.9 74° on 26th 47.7 37° on 15th 56.3 13.2 on 14th 6.14 190.4 14 .29 on 31st 30.015 64.1 77° on 26th 50.0 40° on 20th 57.0 11.4 on 20th 4.17 125.1 16 .44 on 1st 30.015 68.6 75° on 16th 53.3 39° on 6th 60.9 10.7 on 1st 4.59 142.3 11 .34 on 20th 30.013 68.6 80° on 26th 51.2 34° on 31st 50.9 12.7 on 26th 5.52 171.0 12 .34 on 15th 29.943 66.6 73° on 26th 47.6 36° on 21st 57.1 10.8 on 1st 5.13 153.9 8 .32 on 15th 30.008 55.5 64° on 3rd 47.4 8.8 on 15th 1.82	:	29.984	44.6		34.7	23° on 8th	39.6	9.9 on 26th	1.98	61.3		.60 on 24th	2.26
30.003 64.9 74° on 26th and 27th and 27th and 27th 47.7 37° on 16th and 27th and 27th and 27th and 27th and 27th and 24th and 28th and 24th and 28th and 28° on 18th and 28th and 28th and 28th and 28th and 28th and 28th and 38.3 38° on 28th and 28th and 28th and 28th and 28th and 28th and 48th an		29.896	54.9	on	41.1	29° on 7th	48.0	10.3 on 5th	4.10	123.0		.31 on 20th	1.32
30.015 64.1 77° on 26th 50.0 40° on 20th 57.0 11.4 on 20th 4.17 125.1 16 .44 on 1st 30.075 68.6 75° on 16th 53.3 39° on 6th 60.9 10.7 on 1st 4.59 142.3 11 .34 on 20th 30.013 68.6 75° on 26th 51.2 34° on 31st 59.9 12.7 on 26th 5.52 171.0 12 .37 on 18th 29.943 66.6 73° on 2nd, 47.6 36° on 21st 57.1 10.8 on 1st 5.13 153.9 8 .32 on 15th 30.008 55.5 64° on 3rd 39.3 28° on 13th 47.4 8.8 on 1st 3.47 107.6 17 .66 on 5th 30.108 50.7 59° on 17th 40.2 24° on 30th 47.4 8.8 on 25th 1.84 57.2 23 .90 on 12th 29.946 44.0 58° on 12th 37.8 5.8 on 25th 1.84 <th>:</th> <th>30.003</th> <th>64.9</th> <th>74° on 26th</th> <th>47.7</th> <th>37° on 15th</th> <th>56.3</th> <th>13.2 on 14th</th> <th>6.14</th> <th>190.4</th> <th></th> <th>.29 on 31st</th> <th>1.58</th>	:	30.003	64.9	74° on 26th	47.7	37° on 15th	56.3	13.2 on 14th	6.14	190.4		.29 on 31st	1.58
30.075 68.6 75° on 16th and 24th and 24th 4th and 20.9 53.3 39° on 6th and 24th and 24th and 24th 4th and 25.0 66.6 73° on 26th 4th and 25.0 51.2 34° on 31st 50.0 55.0 12.7 on 26th 5.52 171.0 12 34 on 30th 3th 35.0 36° on 21st 57.1 10.8 on 1st 5.13 153.9 8 32 on 15th 37 on 15th 35.0 30.008 55.5 64° on 3rd 4th 39.3 28° on 13th 47.4 8.8 on 1st 8.8 on 1st 107.6 17 .66 on 5th 37 on 30th 37.8 30.108 50.7 59° on 17th 31.6 46.4 on 30th 45.4 6.7 on 15th 182 54.5 13 37 on 30th 37.8 29.946 44.0 58° on 12th 31.6 16° on 29th 37.8 5.8 on 25th 18.4 57.2 23 39 on 12th 18.4		30.015	64.1	and 2/th 77° on 26th	50.0	40° on 20th	57.0	11.4 on 20th	4.17	125.1	16	.44 on 1st	1.60
30.013 68.6 80° on 26th 51.2 34° on 31st 59.9 12.7 on 26th 5.52 171.0 12 .37 on 18th 47.4 50.943 66.6 73° on 2nd, 47.6 36° on 21st 57.1 10.8 on 1st 5.13 153.9 8 .32 on 15th and 23rd and 4th 30.008 55.5 64° on 17th 40.2 24° on 30th 45.4 6.7 on 15th 1.82 54.5 13 .37 on 30th and 19th 29.946 44.0 58° on 12th 31.6 16° on 29th 37.8 5.8 on 25th 1.84 57.2 23 .90 on 12th 1291.5		30.075	68.6	75° on 16th	53.3	39° on $6 ext{th}$	6.09	10.7 on 1st	4.59	142.3		.34 on 20th	1.64
29.943 66.6 73° on 2nd, 47.6 36° on 21st 57.1 10.8 on 1st 5.13 153.9 8 .32 on 15th 47.4 23rd 30.008 55.5 64° on 3rd 4th 30.108 50.7 59° on 17th 40.2 24° on 30th 45.4 6.7 on 15th 37.8 5.8 on 25th 1.84 57.2 23 .90 on 12th 29.946 44.0 58° on 12th 31.6 16° on 29th 37.8 5.8 on 25th 1.84 57.2 23 .90 on 12th	:	30.013	9.89	80° on 26th	51.2	34° on $31st$	59.9	12.7 on 26th	5.52	171.0		.37 on 18th	1.34
30.008 55.5 64° on 3rd and 4th and 19th 29.946 44.0 58° on 12th 31.6 16° on 29th 29.946 44.0 58° on 12th 29.946 44.0 58° on 12th	:	29.943	9.99	73° on 2nd, 4th and	47.6	$36^{\circ}\mathrm{on}21\mathrm{st}$	57.1	10.8 on 1st	5.13	153.9		.32 on 15th	96.
30.108 50.7 59° on 17th and 19th an	:	30.008	55.5	23rd 64° on 3rd	39.3	28° on $13 ext{th}$	47.4	8.8 on 1st	3.47	107.6		.66 on 5th	2.29
29.946 44.0 58° on 12th 31.6 16° on 29th 37.8 5.8 on 25th 1.84 57.2 23 .90 on 12th	:	30.108	50.7	59° on 17th	40.2	24° on $30 \mathrm{th}$	45.4	6.7 on 15th	1.82	54.5		.37 on 30th	1.46
10	:	29.946	44.0	and 19th 58° on 12th	31.6	16° on $29 \mathrm{th}$	37.8	5.8 on 25th	1.84	57.3		.90 on 12th	2.96
										1291.5			18.81

VITAL STATISTICS 1964 AND PREVIOUS DECADE

	Population	B	Births			Deaths		
Year	(estimated) each year		Rate	Under	Under I Year of Age		At all Ages	
	by Kegistrar General	Number	per 1,000 Population	Number	Infant Mortality Rate per 1,000 Births	Number	Crude	Adjusted
1954	47,020	695	14.8	20	66	572	12.2	11.9
1955	46,800	969	14.9	17	26	516	11.0	10.8
1956	46,850	715	15.3	21	29	498	10.6	10.4
1957	47,380	735	15.5	18	24	567	11.9	11.4
1958	47,770	769	16.1	12	16	548	11.5	11.2
6261	48,640	908	16.6	14	17	528	10.8	10.7
0961	49,250	786	15.9	13	16	513	10.4	10.3
1961	49,810	877	17.6	56	30	590	11.8	11.9
1962	50,120	698	17.3	60 61	26	602	12.0	12.6
8961	50,710	905	17.8	12	13	627	12.3	12.8
	51,130	596	18.8	17	18	579	11.3	11.7
			,					

POPULATION

The Registrar General's estimate of the home population of Shrewsbury for 1964, including members of the armed forces stationed in the area, was 51,130 compared with 50,710 in the previous year.

BIRTHS

The number of live births in 1964 was 962, compared with 902, 869 and 877 in the previous years respectively.

The crude birth rate was 18.8 per 1,000 population, compared with 17.8, 17.3 and 17.6 in the previous years respectively.

Applying the comparability factor provided by the Registrar General, the adjusted birth rate becomes 18.0.

The 962 births may be analysed as follows:—

	L	egitimate	Illegitim	ate
Male		470	35	${}^{>}_{962}$
Female		429	28	5902

A comparison of the adjusted birth rate between Shrewsbury and the rate for England and Wales is as follows:—

		1,000 Population
	Live	Births
England and Wales	 •••	18.4
Shrewsbury	 • • •	18.0

Illegitimate Births

There were 63 illegitimate births, compared with 38, 44 and 34 in the previous years respectively.

The illegitimate birth rate was 1.23 per 1,000 population, illegitimate births being a percentage of 6.5 of the total live births.

This percentage for England and Wales for 1964 was 7.2 compared with an average of 6 for the preceding five years, so that the increased rate for Shrewsbury is part of a general increase throughout England and Wales.

Stillbirths

There were 12 stillbirths, compared with 17, 23 and 20 in the previous years respectively.

The stillbirth rate was 0.2 per 1,000 population, the stillbirths being a percentage of 1.2 of the total births.

Causes of and Ages at Death during the Year 1964

CAUSES OF DEATH Tuberculosis, Respiratory 2 1 1	- 4
Tuberculosis, Respiratory 2	68 220
tery 2 1 1 1 -	
Tuberculesis, Other	-
forms	
Diphtheria	
Whooping Cough — — — — — — — — — — — — — — — — —	_ _
tions	_
Acute Poliomyelitis — — — — — — — — — — — — — — — — —	
Other Infective and Parasitic Diseases — — — — — — — — — — — — —	_ _
	3 1
Malignant Neoplasm, 20 2 - - - - 1 1 8	9 3
Malignant Neoplasm, Breast 4 2 - 1	1 -
Malignant Neoplasm, Uterus 3 1	2
Other Malignant and Lymphatic Neoplasms 25 27 — — 1 1 1 1 3 14 1 Leukaemia, Aleukaemia — 1 — <td>19 12</td>	19 12
	$\overline{5}$ $\overline{2}$
	34 42
gina 79 44 — — — — 2 — 11 26 3 Hypertension with Ht.	89 45
	$\begin{bmatrix} 3 & 4 \\ 12 & 36 \end{bmatrix}$
	3 6
D 1111	$egin{array}{ccc} - & 1 \ 9 & 31 \ 9 & 10 \ \end{array}$
Other Diseases of Res-	
Ulcer of Stomach and	1 3
Gastritis, Enteritis and	_ _
Nephritis & Nephrosis 2 2 1 1	1 1 1 1 4
Pregnancy, Childbirth, Abortion	
Congenital Malformations	1 —
	15 16
M.T. Vehicle Accidents $\begin{vmatrix} 4 & 3 & - & - & 1 & - & 2 & - & 1 & 1 & - \\ All other Accidents & 4 & - & - & - & - & 1 & - & 1 & - & 1 & - \end{vmatrix}$	$\begin{array}{c c} 1 & 1 \\ \hline - & 1 \end{array}$
Suicide 8 1 — — — 1 2 — 1 5 —	- ·
Homicide and operations of War 1 — — — — 1 — — — — —	_}

DEATHS

The number of deaths during the year was 579, compared with 627, 602 and 590 in the previous years respectively.

Of the 579 deaths, 303 were males and 276 females.

The crude death rate was 11.3 but, by applying the comparability factor provided by the Registrar General, the adjusted death rate became 11.7.

Of the 579 deaths, 388 persons were 65 years of age or over.

If the main causes of death are grouped, it will be seen that 469 of the 579 deaths can be allocated to four groups as follows:—

(1) Heart disease	188	
(2) Other diseases of the Circulatory System including Vascular Lesions of Nervous		
System	106	
(3) Cancer (including Leukaemia)	89	
(4) Bronchitis, Pneumonia and other Respiratory Disease, including Pulmonary		
Tuberculosis	86	

There were 9 deaths from suicide and 7 from motor vehicle accidents.

Of the child population, there were 17 infant deaths (under one year of age), and 6 deaths of children one to fourteen years of age.

It is noted that there is a lower number of deaths attributed to cancer, although of these malignant neoplasm of lung and bronchus show a slight increase.

It is noted that the proportion of deaths in which 65 has been reached or exceeded is less than last year, being 67% against 70%.

A comparison between the adjusted death rate of Shrewsbury and the rate for England and Wales is as follows:—

		ate per pulation
England and Wales		 11.3
Shrewsbury	• • •	 11.7

INFANT MORTALITY

The number of deaths of infants under one year of age was 17, compared with 12, 23 and 26 in the previous years respectively.

The Infantile Mortality Rate was accordingly 18 per 1,000 live births, compared with 13, 27 and 30 in the previous years respectively.

A comparison between the Infantile Mortality Rate of Shrewsbury and the rate for England and Wales is as follows:—

These deaths are analysed by causes and duration of life in the accompanying table :—

									-		
CAUSES OF DEATH	Under 24 hours	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under I month	1 month and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total deaths under 1 year
Prematurity	3	_	-	_	-	3	-	_	_	-	3
Congenital Malformations	-	1	1	_	-	2	_	_	-		2
Atelectasis	-	1		-	_	1	_	_	_	_	1
Birth Injury	1	4	1		_	6	_	_		-	6
Meningitis	-	_			_	_	_	1	_	_	1
Congenital Heart Disease	_		1			1	_	_	—	_	1
Pneumonia	-	-	_	_	_		-	1	-	_	1
Other Causes	_	1	_	_	_	1	1	_	_	-	2
Totals	4	7	3	_		14	1	2	_	_	17

SANITARY CIRCUMSTANCES OF THE AREA

Water Supply

The Water Engineer, Mr. J. H. Sabido, who is now Engineer of the West Shropshire Water Board, has kindly supplied the following information on the water supply of the town, accompanied by statistics of laboratory examinations carried out at Shelton Waterworks.

"At the commencement of the year under review, the Order forming the West Shropshire Water Board came into operation. The appointed day for its formal constitution being the 1st February, 1964, and the day of transfer the 1st April, 1964. The Constituent Authorities are the Municipal Boroughs of Shrewsbury, Oswestry, Bishop's Castle; the Urban District Councils of Church Stretton, Ellesmere; and the Rural District Councils of Clun, Oswestry, Atcham and Ellesmere.

The Shelton Head Works supply, which is still related to the Shrewsbury Area with small additional areas immediately outside the Borough Boundary, have supplied the whole of the Borough's water requirements, free of all restrictions during the year 1964. The average daily quantity supplied (average for 366 days) amounted to 2,752,480 gallons, which was equivalent to 53.64 gallons per head per day, and the maximum daily quantity supplied was 3,939,000 gallons on the 26th May, 1964.

Routine daily chemical and bacteriological analyses were carried out at Shelton on the water at the separate stages of treatment. The maximum and minimum results obtained from these examinations are given in the accompanying table.

During the year the practice of making routine chemical and bacteriological examinations of drinking water samples drawn from household supplies was maintained, 190 chemical and 320 bacteriological examinations were made of such samples, and all were found to be sterile. The water supply in general has consistently maintained the very high standard of purity demanded for water supplies in this country.

Progress was made in the planning of the large scale extensions to the Head Works authorised under the Shrewsbury Water Order 1962, whilst certain of the electrical installation works in connection therewith were commenced, also the Distribution Works, which comprised the construction of a 21" diameter prestressed concrete trunk main along the A.5 by-pass from the Main Works, was completed and brought into use. This, together with the completion of the 21" diameter prestressed concrete pumping main from the intake station to the Main Works towards the latter part of the year, greatly assisted the efficiencies of the supply.

Monitoring for the estimation of radio activity in the air, river water and final water, was continued during the year. The results obtained to date are within the accepted standards as laid down by the Medical Research Council."

The position as regards dwelling houses in the town as at the end of 1964 is as follows:—

Total number of houses	 	 16,091
Total number of houses piped water supply	Corpor	16,073
Total number of houses wi		18

SHELTON WATER SUPPLY
Results of Chemical and Bacteriological Examinations, 1964

RIVER WATER UNTREATED	Maximum	robable number of coliform Aerogenes Organisms per 100 mls.	of Bact. Coli 180+	at 37°C 7,288	at 20°C 9,072	1,200	8.4	128	54	Free and Saline Ammonia 0.625	Oxygen absorbed (3 hrs. at 37°C.) 9.20	Permanent Hardness (CaCO ₃) 68	Total Hardness (CaCO ₃) 152	Free Residual Chlorine Nil	Total Residual Chlorine Nil
	Minimum Ma	+081	180+	45	28	16	6.54	38	15	0.065	96.0	2.0	50	Nil	Nil
WATER AFTER STORAGE AND PRECHLORINATION	Maximum	2	Nil	7	4	67	6.9	86	40		2.10	62	140	08.0	1.25
FTER AND NATION	Minimum	Nil	Nil	Nil	Nil	Nil	6.15	18	18		0.52	22	58	0.10	0.15
WATER AFTER SEDIMENTATION	Maximum	堆	Nil	4	7	4	8.4	110	56		1.08	09	138	0.65	0.90
AFTER	Minimum	Nil	Nil	Nil	Nil	Nil	7.1	48	18		Nil	18	84	0.05	0.10
WATER FILTRAT STERIL	Maximum	Nil	Nil	Nil	1	Nil	8.3	110	54	0.045	0.88	52	128	0.35	0.45
WATER AFTER FILTRATION AND STERILISATION	Minimum	Nil	Nil	Nii	Nil	Nil	7.0	35	16	Nil	Nii	20	99	0.01	0.08

Swimming Baths

There are two indoor swimming baths available in the Borough. They are filled with water from the town mains. Treatment is by a process of alum precipitation, filtration and chlorination with a complete turnover of $3\frac{1}{4}$ hours.

During the year the water in the swimming baths was examined bacteriologically on 24 occasions. Of these, five were unsatisfactory. Occasionally excess chlorine was found in the water and a few complaints were received.

Drainage, Closet Accommodation, Sewerage and Public Cleansing

The Borough Surveyor, Mr. A. T. Morris, has kindly supplied the following information:—

"MAIN DRAINAGE

Number of existing houses connected to sewers	 Nil
Number of new houses erected without connection	
main sewerage system	 2

Extensions or alterations: The main drainage extensions consist of those required to service land being developed including, Heath Farm Estate, Glenburn Gardens, Crowmere redevelopment of temporary bungalow sites, and the laying of a sewer alongside the Severn Valley Railway to connect Sutton Farm Estate to the south-eastern outfall sewer.

REFUSE COLLECTION AND DISPOSAL.—There have been no major changes in refuse collection and disposal. Sites for future tipping are being explored".

The present position as regards sewage disposal in the town as estimated during 1964 is as follows:—

Total number of houses in the Borough	16,091
Number of houses connected to Corporation sewers	15,801
Number of houses connected to independent sewage	dis-
posal works, e.g. cesspits, septic tanks	206
Number of houses relying on earth, pail or chem	ical
closets	84

The original sewage works constructed in 1900 consisted of six rectangular settling tanks, the effluent from which was treated by land filtration over approximately 70 acres of land before discharge into the Severn. This works dealt with a population of 20,000.

Detritus channels and a chlorinating plant were subsequently added, but with the growth of the borough population it has long been realised that the plant was inadequate.

In 1957 plans for the construction of a new sewage works were approved in outline by the Ministry of Housing and Local Government. Work on a new plant commenced in March 1962, and the new plant was officially opened on 29th June, 1964.

The new works have been designed for a contributing population of 61,000 and a flow of 2,750,000 gallons a day, and a further 50% increase of flow can be accommodated by making use of the ample space in the layout for additional settling tanks, filters, etc.

The sewage is first screened through a mechanically raked screen. Screenings are washed into a disintegrator and discharged after maceration back into the main channel down stream.

Flows in excess of six times the dry weather flow (6D.W.F.) discharge over a weir and pass into the River Severn. The rate of flow is decreased in the detritor which consists of a 24 ft. diameter flat bottomed tank where road grit and other heavy inorganic material settles and is scraped off the bottom by rotating scrapers.

In order that the sedimentation tanks and filters should not be overloaded, flows in excess of 3 D.W.F. are discharged over a weir into storm water tanks and held there until the flow is more normal when the contents are released into the main channel.

The main channel leads to sedimentation tanks and the rate of flow is again slowed. The deposit, mostly organic material in these tanks, or sludge, is scraped mechanically into a central conical hopper and removed hydrostatically to the sludge pumping station. The effluent from the sedimentation tanks next flows to the percolating filters.

Eight percolating filters are provided, each 150 feet 0 inches in diameter fed by filter distributors which are driven by water turbines.

The filtering media consists of a 2 foot 0 inches layer of 2 inches nominal blast furnace slag on a 1 foot 11 inches layer of 2 inches nominal basalt which in turn is on an average 1 foot 3 inches thick layer of 3 inches–5 inches grade basalt. In the course of time the surface of the filtering media is covered with a slimy layer of algae, etc., by which the organic impurities in the sewage are broken down and oxidised to serve as a source of food for the biological life. After passing over the filtering media the effluent now with most of its organic impurities broken down and oxyginated, settles again in humus tanks, where the remaining solids are deposited. The effluent then passes to the point of discharge into the Severn, except that if the flow is still past $1\frac{1}{2}$ times the D.W.F. some is recirculated through the percolating filters for further oxidisation.

The sludge is subjected to drying in sludge consolidation tanks and then gradually digested by heating. The methane gas given off in this process is used to provide fuel for the sludge heaters and for the central heating of the administration block. The digested sludge is then pumped onto the land.

SANITARY INSPECTION OF THE AREA

The Chief Public Health Inspector, Mr. C. Stanley, reports as follows:—

Complaints received during the Year

There were 638 complaints, and these were investigated in accordance with the following analysis:—

Nature of Complaint							
Housing Defects		• • •	• • •	52			
Defective Dustbins	•••			1			
Choked and Defective Drains and Sewers	• • •	***		159			
Accumulations of Offensive Matter	•••	•••		20			
Relative to Unsound Food	• • •	• • •		77			
Verminous Premises:— (a) Bugs and Fleas (b) Rats and Mice Infestations (c) Beetles, Crickets and other Insects	• • • •			188 48			
Keeping of Animals and Poultry		•••		2			
Unsatisfactory Milk Supplies				5			
Emission of Smoke				9			
Noise Abatement Act, 1960				5			
Miscellaneous	•••	• • •	•••	72			
Total		•••		638			

Premises Inspected

The following summary indicates the number of inspections of various premises carried out during the year:—

Nature of I	Number of Visits				
Dwelling-houses under Public He	ealth Act	s			546
Dwelling-houses under Housing	Acts	• • •	• • •	•••	1,471
Infected Dwelling-houses:— (a) Notifiable Diseases (other	or than T	nberculo	eis)		33
(b) Contacts					11
(c) Phthisis enquiries and fu	ımigatioı	ıs	• • •		
Business Premises, including Offi	ices		• • •		50
Cinemas, Dance Halls, Billiard F	Halls		•••		5
Factories Act, 1961:—					111
Factories with mechanical p Factories without mechanic		• • •	• • •		$\begin{array}{c} 111 \\ 12 \end{array}$
Works of building construct		•••			4
		• • •	• • •		5
Offensive Trade Premises				•••	4
Stables, Piggeries, Keeping of Ar	nimals	•••	•••		56
Houses let in Lodgings				•••	5
Tents, Vans and Sheds		•••	•••	• • •	161
Drainage :					
Inspection and Examination	ı				465
Testing	• • • • • • • • • • • • • • • • • • • •	• • •	•••	• • •	61
Public Sewers	• • • • • • • • • • • • • • • • • • • •	• • •	• • •	• • •	341
Smoke Nuisances			• • •		35
Smoke Observations		•••	•••	•••	160
Smoke Control Area		•••	•••	• • •	28
Watercourses and Ditches		•••		•••	81
Land and Tips	•••	•••	•••		81
Septic Tanks, Cesspools, Urinals	•••				26
Water Supplies	•••				18

Nature of Inspection								
Verminous Premises :—								
(a) Rats and Mice	• • •			• • •		326		
(b) Bug Infestations (c) Beetles	• • •					_		
(d) Other Vermin			•••	• • •		48		
(e) Disinfestations			• • •	• • •	• • •	15		
Food Hygiene Regulations ar		and D	rugs A	ct, 195	5:			
Unfit Meat and Other Fo	ods	• • •				414		
Market Stalls Butchers' Shops						$\begin{array}{c} 140 \\ 94 \end{array}$		
Bakehouses						35		
Factory Canteens						24		
Restaurant Kitchens, etc Licensed Premises		• • •	• • •	• • •		$\begin{array}{c} 196 \\ 94 \end{array}$		
School Kitchens			• • •			$\frac{34}{23}$		
Hospital Kitchens						12		
Other Premises	• • •	• • •	•••	• • •	• • •	534		
Section 16 Premises :—								
Sausage Manufacturers, e	etc.					22		
Fish Frying Premises Ice Cream Premises	• • •		• • •	• • •	• • •	$\begin{array}{c} 17 \\ 145 \end{array}$		
ice cream Frennses	• • •	•••	***	• • •	• • •	149		
Milk Sampling :—								
(a) Methylene Blue, etc.	• • •	• • •	• • •	• • •		$\begin{array}{c} 165 \\ 24 \end{array}$		
(b) Chemical	•••	•••	• • •	• • •	***	24		
Milk Shops and Dairies	•••	• • •	• • •	• • •	• • •	96		
Sampling of Food and Drugs	other	than l	Milk) f	or Chei	nical			
Analysis	• • • •	•••	•••	• • •	• • •	79		
Food Vehicles						16		
E l'Deir minu In a l'anti a						,		
Food Poisoning Investigation	S	• • •	• • •	• • •	• • •	1		
Shops Act, 1950			•••			581		
Offices, Shops and Railway F	remises	s Act, I	1963	•••	• • •	2,089		
Pet Animals Act, 1951						59		
Noise Abatement Act, 1960	•••					38		
Sanitary Accommodation at 3	Farms							
Welfare of Aged Persons						2		
Visits not Inspections	•••	• • •	•••	• • •	• • •	766		
-	•••			•••	• • •			
Miscellaneous Visits	•••	***	•••		• • • •	284		
Total Visits by Public Health	Imamaa	4				10,109		

Notices Served

Administrative action was taken during the year to secure abatement of nuisances and to enforce the appropriate statutory enactments as follows:—

Subject of Notice	Public Health Acts	Offices etc Act.	Food and Drugs Act 1955	Factorics Act, 1961	Shops Acts
Number of Informal Notices served	29	42	17	5	2
Number of Informal Notices complied with	22	_	13	3	1
Number of Informal Notices Outstanding (against Premises)	23	42	12	3	3
Number of Statutory Notices served	24	_		_	
Number of Statutory Notices complied with	13	_		_	
Number of Statutory Notices Outstanding (against Premises)	18	_	_		
Number of Prosecutions	_		1	_	_

The Offices, Shops and Railway Premises Act 1963, came into operation during the year.

Registration of premises, under the provision of Section 49, began on the 1st May. Anyone employing persons on that date, in premises covered by the Act, was required to register by the 31st July, 1964.

A street-by-street survey of premises likely to come within the scope of the Act was instituted. Much interesting data concerning various aspects of public health work was obtained in the process.

There was a flood of applications for registration assisted, no doubt, by a certain amount of publicity given to this new legislation.

The following statistics give an indication of the work carried out from the 1st May until the end of the year.

Table A—Registrations and General Inspections

(2) Number of premises registered during the year	(3) Total number of registered premises at end of year	(4) Number of registered premises receiving a general inspection
311	303	50
426	417	11
38	39	3
82	81	Nil
Nil	Nil	Nil
857	840	64
	Number of premises registered during the year 311 426 38 82 Nil	Number of premises registered during the year Total number of registered premises at end of year 311 303 426 417 38 39 82 81 Nil Nil

Table B—Number of Visits of all kinds by Inspectors to Registered Premises

Total ... 191

Table C—Analysis of Persons Employed in Registered Premises by Workplace

Class of Workplace (1)								Number of persons employed (2)
Offices	• • •							2,882
Retail Shops		• • •						2,959
Wholesale departments, warehouses							•••	393
Catering estab	olishm	ents o _l	pen to	the pub	lic			708
Canteens	•••	• • •	•••	• • •	• • •			60
Fuel storage d	lepots		• • •	• • •				1
		То	tal	• • •	•••		•••	7,003
			tal Ma tal Fe		•••			2,792 4,211

Number of visits made in street-by-street survey ... 1,898

Analysis of Unsatisfactory Conditions Found

Lack of cleanliness					• • •		69
Overcrowding					• • •		(
Absence of thermome	eter or i	ınsatisf	actory	heating	g facilit	ies	36
Inadequate ventilatio	n						1.5
Unsatisfactory lightii	ng						30
Inadequate or unsati	sfactory	y sanita	ary con	venien	ces		19
Inadequate or unsati	sfactor	y washi	ing fac	ilities			38
Absence of drinking	water						2
Inadequate clothing	accomm	odatio	n				11
Inadequate eating fac	cilities		• • •				2
Inadequately fenced	machine	ery					Ę.
Defective floors and s	staircase	es					101
Infringements regard:	ing regu	lations	on hea	ilth and	l safety	·	9
Dangerous conditions	and pr	actices					70
Absence of adequate	first-aid	l faciliti	ies				36
Number of informal	notices	served					42

All four Public Health Inspectors, and one Technical Assistant, were appointed to enforce the Act. One other member of the staff was engaged for the majority of his time on work relative to this statute.

Sanitary Improvements Effected at Dwelling-houses as a Result of Statutory and Informal Notices Issued

(Number of premises, 26)

(210.	inder or	premi	303,	~ 0)			
						N	umber
						Co	mplie
							with
Defective drains	• • •	• • •		• • •		• • •	1
Choked drains				• • •	• • •		2
Insufficient closet accommod	ation		• • •				_
Absence of proper sink							
Defective water closets			• • •			• • •	6
Defective gullies							1
Defective sink							_
Defective sink waste pipes							_
Defective W.C. cisterns and:	fittings						2
Burst water pipes				• • •			
Insufficient water supply	• • •	• • •					1
Defective soil pipes							2
Dampness arising from :—							
Defective roofs				• • •			7
Defective eaves-gutters				• • •			2
Defective down-spouts							1
Defective brickwork and	l pointing						4
Defective damp-proof co							
Defective yard paving	• • •			• • •			
Defective chimney flues							
Galvanized metal dustbins p							1
Defective window-frames and		ds				•••	5
Defective floors				• • •		• • •	ĺ
Defective stairs	• • •			• • •	• • • •		ī
Defective plaster to walls an				• • •			8
Defective doors	0					•••	3
Defective fireplaces and cook							_
Defective wash-boilers		***					
Defective and dangerous chi					• • •		1
Defective and bulging extern		.KS.		•••		• • •	
Defective and bulging extended bulging party			• • •		•••	• • •	
Filthy condition of premises		•••	• • •	• • • •	• • •	• • •	
Accumulation of manure or		···	• • •	•••	• • •	• • •	1
Misselloneous			• • •	• • •	• • •	• • •	-
Miscellaneous	• • •	• • •	• • •	• • •	• • •	• • •	4

Additional Unsatisfactory Conditions remedied by Verbal Intimations

Nature of Inspection	No. of Premises	Structural Defects	Dirty Conditions
Dwelling-houses (Public Health Acts) Restaurant Kitchens Bakehouses Other Food Preparation Premises Butchers' Shops Hotel Bars Business Premises Eactories (Factories Act 1961)	$ \begin{array}{c} 11 \\ 6 \\ -2 \\ 3 \\ 2 \\ 1 \end{array} $	8 4 1 1 1	$ \begin{array}{c} 3 \\ 2 \\ -1 \\ 2 \\ 1 \\ - \end{array} $
Factories (Factories Act, 1961) Ice Cream Premises (Sale/Man.)			
Chang (Chang Act)			
Dairies Smoke Nuisances	1 8	7	1 1
Caravans Rat Infestation	_		

FACTORY ACT, 1961

The following statistics, required under the provisions of this legislation, are appended:—

Part I of the Act

1. **Inspections** for purposes of provisions as to health (including inspections made by Public Health Inspectors)

	Number	Number of				
Premises	on Register	Inspections	Written Notices	Occupiers Prosecuted		
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	10	12				
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	234	111	5			
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	19	4				
Total	263	127	5			

2. Cases in which **Defects** were found

	Numbe	Number of cases in			
Particulars	Found	Remedied	То Н.М.	rred By H.M. Inspector	which
Want of cleanliness (S.1)	1	1			_
Overcrowding (S.2)	*		_	_	_
Unreasonable temperature (S.3)			_		_
Inadequate ventilation (S.4)	_				_
Ineffective drainage of floors (S.6)	_	_	_	_	_
Sanitary Conveniences (S.7)— (a) Insufficient					_
(b) Unsuitable or defective	3	2		_	_
(c) Not separate for sexes	1		_	_	
Other offences against the Act (not including offences relating to Outwork)			_	_	_
Total	5	3	_	_	_

Part VIII of the Act Outwork (Sections 133 and 134)

	5	Section 133	Section 134			
Nature of Work	No. of out-workers in August list required by Sect. 133 (1) (c)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwhole- some premises	Notices served	Prosecu- tions
Wearing apparel- making, etc	2		_	_		
Packing plastic hair curlers	1	productions			_	
Total	3	_	_	_	_	

HOUSING

Building Progress during 1964

Houses erected by Local Authority 152 Houses erected by Private Enterprise 253 405

Housing Statistics

1. Inspections of Dwelling-houses during the Year	
Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	1,014
Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	53
Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	26
2. Remedy of Defects during the Year without Services of Formal Notices Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their offices	27
3. Action under Statutory Powers during the Year	
Proceedings under Public Health Acts:—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	20
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	
(a) By Owners	10
(b) By Local Authority in default of owners	Nil

Representations were made in respect of two Clearance Areas, involving some thirty-five houses.

Eighteen individual houses were represented as unfit for human habitation and not repairable at reasonable cost. A similar procedure was followed regarding six council-owned dwellings.

One hundred and six unfit houses were demolished during the year, and five houses coming within the same category were closed,

The Council approved thirty discretionary grants and eighteen standard grants.

Standard Grant

A standard grant is made to an owner for providing :---

- (a) a fixed bath or shower in a bathroom;
- (b) a wash-hand basin;
- (c) a water closet, in or contiguous to and, if possible, entered from within the dwelling;
- (d) a hot water supply at a fixed bath or shower in a bath-room, at a wash-hand basin and at a sink; and
- (e) a food store; or such of these items as are not already in the property.

The Corporation cannot refuse to make a standard grant if the applicant owns the freehold or has a leasehold interest with at least fifteen years to run and the dwelling will be fit to live in for fifteen years after the work has been done, and will be used as housing accommodation for that period. If the dwelling is let, it is the owner's responsibility to obtain the tenant's agreement in writing to the proposed improvement, but it is the Corporation's duty to ensure that the applicant is the owner or lessee as the case may be. The grant an owner can expect to receive is half the cost of providing such of those items listed in (a) to (e) above as are lacking subject to an upper limit in respect of each item (e.g. a maximum of £155 if all items are lacking—a maximum of £40 if a water closet is lacking).

Discretionary Grant

For an owner to obtain a discretionary grant, again he must own the freehold or have a leasehold interest with at least fifteen years to run, and the dwelling, when improved, must have a useful life of thirty years (but as low as fifteen years if, having regard to all the circumstances, it is considered expedient), and must be kept for housing accommodation during that period. Before the Council may make a discretionary grant they must also be satisfied that the dwelling, after improvement, will comply with what is known as "the twelve point standard," i.e. it must:—

- (1) be in a good state of repair and substantially free from damp;
- (2) have each room properly lighted and ventilated;
- (3) have an adequate supply of wholesome water laid on in the dwelling;
- (4) be provided with efficient and adequate means of supplying hot water for domestic purposes;
- (5) have an internal water closet if practicable, otherwise a readily accessible outside water closet;

- (6) have a fixed bath or shower in a bathroom,
- (7) be provided with a sink or sinks and with suitable arrangements for the disposal of waste water;
- (8) have a proper drainage system;
- (9) be provided in each room with adequate points for gas or electric lighting (where reasonably available);
- (10) be provided with adequate facilities for heating;
- (11) have suitable facilities for storing, preparing and cooking food;
- (12) have proper provision for storing fuel (where required).

As their name implies, discretionary grants are payable at the absolute discretion of the Council. Each grant shall not exceed half of the estimated cost of the work approved on behalf of the Council, subject to a maximum for each dwelling of £400.

It was hoped that progress to better housing, aided by these measures, would be apparent, but owners have been slow in making use of these facilities, and it was realised that when one house of a block was improved and the remainder left in their original condition, the one house might have to be included in a clearance area if the adjoining houses became sufficiently sub-standard to warrant extreme measures. The sensible thing, therefore, was to improve all the houses in a block.

Circular 42/62, issued by the Ministry of Housing and Local Government, gave guidance to local authorities on the measures which the Minister considered should be used to improve the condition of all the well-built houses throughout the country which are in reasonably good repair but lacking in amenity.

It is hoped that more houses are being brought up to the twelve point standard than are shown by the numbers of successful applications for grants.

MUNICIPAL HOSTEL FOR MEN

The Superintendent, Mr. J. F. McCabe, has provided the following report for the year 1964:—

"Charges.—36/- per week or 6/- per night.

Number of beds available		• • •	41
Men paying weekly charge	•••		1,960
Men paying nightly charge	•••		394
Daily average			38

These figures show a continuation of the trend of the previous two years, i.e. an increase in the number of weekly bookings and a decrease in the number of nightly bookings. **Residents.**—There are approximately thirty semi-permanent residents in the hostel, of whom, eighteen have been in residence for periods of between five and fifteen years. There are seven pensioners, two permanently disabled men, and the remainder are employed

locally.

The hostel continues to perform a useful service by providing temporary accommodation for discharged prisoners, men on probation who have been discharged by their families, and occasionally, men who have been discharged from mental hospital. Accommodation for men in these categories is usually requested in advance by a Probation Officer or D.P.A. After-Care Officer.

Illness.—One man was admitted to hospital where he later died. Doctors visited a total of four men suffering from minor ailments, who were subsequently confined to bed for periods of several days.

One O.A.P. who was evicted from his previous lodging because of his inability to fend for himself was admitted to the hostel in a confused condition, and detained in bed until arrangements were made for his admission to a welfare home. He later made a complete recovery, and returned to live in the hostel."

INSPECTION AND SUPERVISION OF FOOD

Milk Supply

At the close of the year there were registered under the Milk and Dairies Regulations:—

Dairies 8 Retail purveyors of milk... ... 85

Turbidity Test (applicable to sterilised milks)

The 11 samples proved satisfactory.

Phosphatase Test (a test applied to verify the efficiency of pasteurisation)

The 47 samples proved satisfactory.

Methylene Blue Test

One hundred and thirty-eight samples were subjected to the Methylene Blue Test (an indicator of keeping quality), of which 16 were given unsatisfactory reports. Two samples were declared void due to the high atmospheric temperature in the laboratory at the time of the tests.

Ice Cream

Premises registered for sale and manufacture 1 Premises registered for sale only ... 198 Premises registered for store only ... 1

Seventeen samples of ice cream were taken for bacteriological examination. The results are tabulated below:—

No. of	Grade	Grade	Grade	Grade	
Samples	I	H	III	IV	Void
$1\overline{7}$	13	2	2		

FOOD AND DRUGS ACT 1955

The 113 samples of food and drugs submitted to the Public Analyst for analysis comprised 104 foods (6 formal and 98 informal) and 9 drugs (all informal).

Some 108 were returned as genuine, and five, all foods, as not

genuine.

An additional 71 "informal" samples of milk were tested for fat content on the testing machine at the Health Centre. Two of these showed a fat content deficiency.

The following tabulated statements give particulars of the articles sampled:—

Fo	ood		
Number of food samples	• • •	 	 104
Number found genuine		 	 99
Number found not genuine		 	 5

Name	and	Number	of	Articles	Sampled		lnformal
Antipasto				•••			1
Apples							1
Bamya							1
Bean Sprout							1
Beef Stock C	ube						1
Beef Steak P	uddin	g					1
Best of Milk							1
Bitter Lemon	ı						2
Butter							2
Chicken Fritt	ers	• • •					1
Chicken Meat	Past	e					1
Chili Sauce							1
Chocolate Dro	ops C	ake Mix					1
Christmas Pu							1
CID							1
Coconut Chip							1
Condensed Mi							1
Creamed Rice	e Milk		gr				ī
Cream of Chic							$\overline{2}$
C							ī
Curry Powder		• • •					î
Dairy Cream		•••					í
Desicated Cod							î
n : 1 n							$\frac{1}{2}$
Dried Thyme					•••	•••	ĩ
Edam Cheese		•••	• • •	•••	•••	• • •	î
Fruit Pie		•••	• • •	•••	•••	• • •	î
**			• • •	•••	•••	• • •	1
* O		•••	• • •	• • •	•••	• • •	$\frac{1}{2}$
Jam (Apple a				•••	•••		ĩ
Jam (Damson			y <i>j</i>		•••		1
Jam (Raspber			• • •	• • •	• • •	• • •	1
Jam (Strawbe		•••	• • •	•••	• • •	• • •	$\frac{1}{2}$
Ť 3 `	٠,	•••	• • •	• • •	• • •		1
Lard Lemon Curd	• • •	• • •	• • •	• • •	• • •	• • •	_
	111:50	• • •	• • •	• • •	• • •	• • •	5
Lemon Pie Fi	0	• • •	• • •	• • •	• • •	• • •	l
	• • •		• • •	• • •	• • •	• • •	1
Malt Vinegar		• • •	• • •	•••	• • •	• • •	$\frac{2}{2}$
Marmalade		• • •	• • •	• • •	• • •	• • •	2
Milk Shake S	yrup	• • •	• • •	• • •	• • •		1

						Inf	formal
Mincemeat							2
Mincemeat w	ith Bra	ndy					1
Minced Meat							1
Mixed Pickles	S						1
Olive Oil							1
Oranges							1
Paprica Stuff	ed with	Rice					1
Peach Pie Fil	lling						1
Peeled Toma							1
Piccalilli							2
Plain Flour							ï
Plum Puddin	g						ī
Pork Lunche		t					1
Pork Pate							î
Potato Crisps	3						3
Pure Malt Vi							ĺ
Rum Fudge							î
Sauce Melba				•••	•••		î
Sago				•••	•••		î
Sausage (Bee		•••	•••	•••	•••		3
Sausage (Mix		+)	•••	•••	•••	• • •	1
Sausage (Por		,	•••		•••	• • •	7
Sausage Meat		•••	•••	• • •	•••	• • •	$\frac{1}{2}$
Sardines			•••	• • •	•••	• • •	ĩ
Saveloys			•••	•••	• • •	• • •	1
Separated Mi		der	• • •	• • •	• • •	• • •	1
Sparkling Le			• • •	•••	•••	• • •	1
Stewed Steak			• • •	• • •	• • •	• • •	1
		···	•••	• • •	• • •	• • •	1
Stewed Steak				• • •	• • •	• • •	
Steak and Ki			• • •	• • •	• • •	• • •	1
Sugar Tinted Sweetened Le			 d.a	• • •	• • •	• • •	1
			der	• • •	• • •	• • •	1
Table Jelly	• • •	• • •	• • •	• • •	• • •	•••	1
Daam /D:44-m						-	Formal
Beer (Bitter)	• • •	• • •	• • •	• • •	• • •	• • •	1
Beer (Mild)	• • •	• • •	• • •	• • •	• • •	• • •	1
Gin	• • •	• • •	• • •	• • •	• • •	• • •	2
Whisky	•••	•••	• • •	•••	• • •	• • •	2

Remarks on Samples returned as not Genuine

1. Pork Sausage (Informal)

Meat Content 67%. Sulphur Dioxide 290 p.p.m. Notice of the presence of preservative should be given. (Vendor notified.)

2. Pork Sausage (Informal)

This was a sample of four whole uncooked sausages, a small piece of cooked sausage and two small pieces resembling glass, which were wrapped together with the cooked sausage. The Analyst reported that the two small pieces resembling glass were, in fact, glass. No glass was detected in the whole uncooked sausages. (Reported to Public Health Committee and Vendor and Manufacturer notified.)

3. Potato Crisps (Informal)

This was a sample of Potato Crisps in which the fat was rancid. (Remainder of stock withdrawn from sale.)

4. Rum Fudge (Informal)

This was a sample of sugar confectionery virtually devoid of alcohol. The term "Rum Fudge" implies the presence of rum and, although rum may have been used in the manufacture, the alcohol that is essential to rum was no longer present. A more accurate description for this confection would be "Rum Flavoured Fudge". (Manufacturer notified.)

5. Separated Milk Powder (Informal)

This was a sample of Separated Milk Powder containing acidity, as lactic acid of 3.2%. This was an excess of acidity which, on heating, would lead to clotting. (Consignment of 56 lbs. condemned.)

Drugs

Number of drug samples	•••	• • •	 	9
Number found genuine		• • •	 	9
Number found not genuine)		 	Nil

Name and Number of Articles Sampled

Name	allu	Humber	U	WINCIES	рашри	-u	
					_	Ir	nformal
Ammoniated	Tinc	ture of Ç)uini	ne	• • •		1
Choledyl Tab	lets	• • •	• • •	• • •			l
Fergon Table	ets	• • •		•••			1
Gelusil Table	ts						1
Halibut Live	r Oil						1
Hexopal Tab	lets						1
Panadol Tabl	lets	•••					l
Paynocil Tab	lets						1
Zactin Tablet	ts						1

Milk Supplies—Brucella Abortus

Number of samples of raw milk examined	 129
Number of positive samples found	 Nil

The Liquid (Pasteurisation) Regulations, 1963

Number of egg pasteurisation plants in the district Nil

PUBLIC ABATTOIR

The Superintendent, Mr. W. G. Hunter, has provided the following report for the year 1964:—

"Comments on the transfer of the abattoir from the town centre to Battlefield must take a certain amount of precedence in this year's annual report. Naturally the majority of comments are in praise and approval of this transfer, but of course, one has always to mention the more unhappy side of the piece as well.

The not so happy aspect can be seen by looking at the table where it shows the number of animals killed during the year. This number is down rather considerably and it is amazing that this should coincide exactly with the first year at Battlefield. The reasons for this dramatic fall are as follows.

- (a) The sudden world shortage of beef which, as well as making it dear to buy, has the effect of drying up former sources of livestock for slaughter.
- (b) Stock which used to come into this country in considerable quantity from Ireland is now being slaughtered in Ireland and exported in carcase form.
- (c) The continental countries like Germany, France and Holland have, like the rest of us, a shortage of beef cattle and also sheep and at the same time this commodity in consequence is much dearer there than in this country, therefore they buy our cattle on the hoof, ship them to the continent for slaughter and the result, of course, being we lose the revenue.

Naturally when one has a new building in place of an old one, one is apt to be carried away with its immense aesthetic qualities and its novelty, but of course the serious work of running such a place must be taken soberly against this background.

During the year, certain flaws, understandably I suppose in new buildings, appeared in the general structure and machinery of the new abattoir and of course as they appeared or became evident they were reported to the Borough Surveyor.

It is anticipated that the cost of keeping the new and up to date abattoir in its fresh and hygienic state will be much greater than for the old one, bearing in mind its complexity and abundance of machinery and moving parts, as well as the constant replacement of ceramic tiles and similar breakable fittings, not forgetting the constant job of cleaning and washing down the walls, floors and fittings, as well as keeping the precincts tidy and in good repair and the lawns neat.

Having broadly dealt with the gloomier side of the new abattoir let me now pay tribute to its designers by saying how nice it is to work in pleasant and congenial surroundings. This has not gone unnoticed among visitors, who are equally and generously given to praising the abattoir and its situation.

Whilst our main concern is and must always be the service and the facilities of slaughtering food animals in a humane and hygienic method for the community, as well as putting on an efficient meat inspection service so that the consumers can buy meat which has been carefully examined for disease before being released, we must try and use the abattoir to its capacity and attract trade from the outside so that it may, if possible, be self supporting.

Great trouble has been taken in writing and contacting wholesalers and exporters, trying to get them to come to Shrewsbury and slaughter and whilst great interest has been shown by these people particularly to the fine job we do in good surroundings, we must appreciate there is now a situation where all abattoirs are begging for work as a result of the shortage of livestock in this country.

One bright spot is the slight increase in the amount of pigs slaughtered, which shows that whilst beef and lamb is in short supply pigs are not.

Casualties in the form of cattle, sheep and pigs make up a fair proportion of our detailed examinations and usually these result in our rejection of the entire carcase as unfit for human consumption. The day-to-day routine examinations of apparently healthy stock sometimes results in further detailed examination and possible rejection in total or part as unfit for human consumption.

Tuberculosis is now almost totally absent in bovines as a result of the fine field work done by the Ministry of Agriculture, Fisheries and Food in conjunction with local services, but unfortunately we still find tuberculosis, particularly in the submaxillary lymph node of the pig in surprising quantity, and this remains a problem both to the Ministry and ourselves. A problem which I hope will soon be solved.

Cysticercus Bovis, a parasite found in bovines which, if consumed by humans results in a tape worm in the consumer's intestines, is still on the decrease. We found only two bovines harbouring the parasite. On freezing for 21 days at not more than 20° F., these cysts are killed and the carcase and offal are then released for human consumption. This process of course causes a marked reduction in the quality of the fresh meat, but is the alternative to complete rejection.

CARCASES INSPECTED AND CONDEMNED

	Cattle exclud- ing Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed	13,701	1,558	879	52,359	26,585	_
Number inspected	13,701	1,558	879	52,359	26,585	_
All Diseases except Tuberculosis and Cystleerci: Whole carcases condemned	3	16	77	89	78	
Carcases of which some part or organ was condemned	596	324	79	524	702	
Percentage of the number inspected affected with disease other than tuberculosis	4.36	21.82	17.75	1.15	2.93	_
Tuberculosis only: Whole carcases condemned	_			_	2	
Carcases of which some part or organ was condemned	_	_	-	_	258	_
Percentage of the number inspected affected with tuberculosis		_	_	_	0.98	_
Cysticercosis: Carcases of which some part or organ was condemned	2	_				_
Carcases submitted for treat- ment by refrigeration	2	_	-	_		
Generalised and totally condemned	_	_		_	_	_

Diseased and unsound conditions found in the animals dealt with caused the detention and surrender for destruction of a total weight in carcases and offal of 35 tons, 4 cwts. 44 lbs., details as follows:—

Carcases and Parts 16 tons 12 cwts. 37 lbs.

Offal 18 tons 12 cwts. 7 lbs.

Unsound Food

The following foodstuffs, being unfit for human consumption, were voluntarily surrendered for destruction:—

Imported Mutto	n	• • •	 $70\frac{1}{2}$	lbs.	
Bacon and Ham	٠		 1,030	lbs.	
Fish			 127	lbs.	
Frozen Foods			 1,020	lbs.	
Chickens			 281	lbs.	
Corned Beef			 467	lbs.	
Brussels Sprouts	s		 450	lbs.	
Mushrooms			 42	lbs.	
Dried Peas			 65	lbs.	
Gammon			 43	lbs.	
Turkey			 20	lbs.	
Separated Milk			 56	lbs.	
Preserved Goods	5		 3,362	tins and	jars
Pork Pies			 198		
Lettuces			 1,320		
Cabbage			 33	cases	
Parsley and Oni	on Sai	ıce	 21	packets	
Stuffing			 31	packets	
Other Foods			 87	lbs.	

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES

The outbreak of measles which started early in 1963 hung about the town during most of 1964, sporadic cases being notified up to November. The usual pattern of a relatively brief epidemic followed by complete absence of the disease appears to be changing and measles may in a few years, like the poor, be always with us.

Work on a vaccine against measles is progressing and a safe sure vaccine may be found, but with a disease so widespread and relatively mild, the vaccine must be 100% safe with production of a long-lasting immunity before its use would be justified. Measles notifications are thought by many to be useless as no preventive measures or apparent activity follows the reception of a notification. However, although the records of attacks are probably not 100% accurate, the measurement of success of a vaccination campaign should such be waged, will be made considerably more effective by the information available from these records. Whether notification with the clerical work thereof, the paying of fees and the time consumed in various offices producing these statistics should be limited to certain areas where vaccine trials are to be run, is a matter possibly worthy of consideration.

One hundred and two cases of measles were notified during the year and one case was admitted to hospital.

The number of whooping cough cases notified (10), shows a continuous decline. All ten cases were over one year of age, and one case was admitted to hospital.

As can be seen from the figures for immunisation, whooping cough vaccine, which is given with diphtheria and tetanus vaccines as a triple or with poliomyelitis vaccine as a quadruple vaccine, is becoming a routine procedure and the repeated low notification rate justifies the procedure.

Once again poliomyelitis has been absent and here again the returns for immunisation are satisfactory. Smallpox also was kept at bay.

The town has once again been free of enteric fever. Every year one or two contacts of cases of enteric fever have to be supervised and this year was no exception. Publicity was afforded one such, a girl who had, during the Aberdeen typhoid outbreak, reached as far north as Dundee was taken off a train at Shrewsbury and kept under surveillance for three days, having developed abdominal pain on her journey south.

Two cases of food poisoning and eight of dysentery served as a reminder of the possibility, in spite of pre-packed foods of all kinds being on the market, of the spread of such infections. Indeed throughout the whole year general practitioners told me of the frequency with which their patients were suffering from gastro-intestinal upsets, the source of most of which was not apparent, and which were generally labelled virus-spread on the grounds that the infection spread through the households over three or four days and were often associated with other catarrhal conditions. Some were associated with jaundice, but apart from these the illness was mild.

Cases of scarlet fever were few, mild and sporadic. No source was found. This follows the pattern of the last few years.

Monthly Notifications of Infectious Diseases, 1964

(excluding Tuberculosis)

Монтн	Erysipelas	Scarlet Fever	Measles	Whooping Cough	Dysentery	Puerperal Pyrexia	Acute Primary Pneumonia	Encephalitis Post-Infectious	Food Poisoning
January	1	_	12	2			l		
February	_	1	8	_		_	_	1	
March	1	2	15	4	1	_	_		
April	1	_	27	1	—		_	-	_
May		_	4	1	_				_
June	_		5	2	5	_	_	_	_
July		_	5	_	_		_	_	2
August	1	1	8	_	_	- 1	_	_	_
September	_	1	2		1	_	_	_	
October	_	2	9	_	_	_	2	1	_
November	_	2	7		1	_ (_	- 1	_
December	_	2	_	_	_	1	_	_	_
Totals	4	11	102	10	8	1	3	1	2

Notifiable Diseases (other than Tuberculosis) During the Year, 1964

										1	
			Nu	mber	of C	ases 1	Notifi	ed			
NOTIFIABLE DISEASE	NOTIFIABLE DISEASE		At Ages—Years							Total	
	At all ages	Under 1	to 2	3 to 4	5 to 9	10 to 14	15 to 24	25 to 44	45 to 64	65 & up- wards	Cases removed to Hospital
Small-pox	-	_			_	_	_	_	_	_	_
Diphtheria	-	-	_	-	-			-	-	_	_
Erysipelas	4	-	_	_	_	_	-	1	2	1	
Scarlet Fever	11	-	-	_	9	2	_	_			-
Typhus Fever	_	_	-	-	-	_	_	_		_	
Enteric Fever	-	_	_	_	_	_	_	_	_	_	
Paratyphoid Fever		_	_	_	_		_			_	
Puerperal Pyrexia	1	-	-	_	-	-	1		-	_	_
Ophthalmia Neonatorum		-	_	_	_	-	_		_	_	_
Acute Poliomyelitis—		1 0				ĺ	ļ		1		
Paralytic	_	-	_		_	_		_	-		_
Non-Paralytic	-	-	_	_	_			_	—	_	_
Pneumonia—											
Acute Primary	3	-	-	_	_	-	_	_	1	2	_
Acute Influenzal	-	-	_	_	_	_	_	-	-		
Meningococcal Infection	-	_	_	_			_	_	_		_
Acute Encephalitis—											
Infective	-	_	-	_	-		-	_	-	_	_
Post-infectious	1	_	_	_	1	_	_	_	_	_	
Malaria	-	_	_	-	-	-		_	_	_	_
Dysentery	8	-	_	1	2	1	_	3	—	1	2
Measles	102	7	22	25	46	1	1	_	-	_	1
Whooping Cough	10	-	3	3	3	1	-	_	-	_	1
Food Poisoning	2		_	_	_	_	-	-		2	_
Totals	142	7	25	29	61	5	2	4	3	6	4

TUBERCULOSIS

				NEW	CASES		DEATHS			
AGE PERIODS		Respi	Respiratory		Non- Respiratory		Respiratory		n- ratory	
			M.	F.	M.	F.	M.	F.	M.	F.
0 to 1			_	_	_		_		_	
l— 4	• • •		<u> </u>	_	_		_		_	_
5—14			_	_			_	_	_	_
15—24			1	—	l —	-	—	—	<u> </u>	
25—34			_	3		1	l —	—		—
35—44	***		2	1	—	1		_	_	_
45—54			1	—		_	1			_
55—64			3	—	—		1	—		
65 and up	wards	• • •	1	_		—	_	-	_	—
	Totals	•••	8	4		2	2	-		_

The Phthisis (Respiratory or Pulmonary Tuberculosis) death rate for the year was 0.04 per 1,000 population, compared with 0.08 in the previous year.

IMMUNISATION AGAINST INFECTIOUS DISEASE

The County Medical Officer of Health has kindly provided the following figures relating to immunisations given during 1964 in Shrewsbury.

B.C.G. Vaccination					
Number accepting va	accination				878
Number of refusals	•••		• • •		50
Number tested	• • • • • • •		• • •		821
Number found positi	ve	•••			65
Number found negat		•••			734
Number vaccinated v		•••	•••		727
Diphtheria Immunisation				Imm	unisations
Pre-School Children:	At Clinic				537
	By General	Practit	ioners		310
School Children:	At Clinic				32
	By General	Practit	ioners		6
	Total				005
	10tai	•••	• • •	•••	885 ——
				R	einforcing
					njection
	At Clinic	Des stit			1137
	By General	Fractit	ioners	•••	134
	Total	•••		• • •	1271
				:	
Whooping Cough Immun	isation				
Pre-School Children:	At Clinic				445
	By General	Practit	ioners		305
School Children:	At Clinic	•••	• • •	• • •	5
	By General	Practit	ioners	•••	4
	Total				75 9
	20001	•••	• • •		

Tetanus

Tetanus			
Pre-School Children	: At Clinic By General Practitioners	• • •	$\frac{568}{312}$
School Children:	At Clinic By General Practitioners	•••	650 138
	Total	• • •	1,668
Vaccination (Smallpox)			
Primary $\begin{cases} \text{Children unde} \\ \text{I year of age :} \\ \text{Others :} \end{cases}$	At Clinic By General Practitioners At Clinic By General Practitioners		67 — 334 223
	Total	• • •	624
Re-Vaccination:	At Clinic By General Practitioners	•••	89 85
	Total	• • •	174
Poliomyelitis			
Third injections of Salk or do	ses of Oral:		Fourth dose or
	t Clinic y General Practitioners	$\begin{array}{c} 627 \\ 204 \end{array}$	injections 4 6
	t Clinic y General Practitioners	119 67	$\begin{array}{c} 355 \\ 30 \end{array}$
	t Clinic y General Practitioners	$\frac{3}{2}$	1 1
	t Clinic y General Practitioners	$\begin{array}{c} 60 \\ 1 \end{array}$	5
	t Clinic y General Practitioners	$\begin{array}{c} 36 \\ 3 \end{array}$	6
	Total l	,122	408

COUNTY COUNCIL HEALTH CENTRES

Particulars are given below of the health services provided by the County Council under Part III of the National Health Service Act, 1946, for the Borough.

Area	Premises	Services Provided and Day and Time Clinics Held
Harlescott	Church Hall, Meadow Farm Drive	Child Welfare Clinic, Tuesday, 1.30 to 5 p.m.
Monkmoor	Tankerville Hall, Monkmoor Road	Child Welfare Clinic, 1st and 3rd Tuesdays in each month, 1.30 to 5 p.m.
Ditherington	White House Clinic Whitchurch Road	Child Welfare Clinic, Thursday and Friday, 1.30 to 5 p.m. Ante and Post-natal Clinic 2nd and 4th Wednesdays in each month, 2.30 p.m.
Town Centre	Health Centre, Murivance	Child Welfare Clinic, Friday, 1.30 to 5 p.m. Ante and Post-natal Clinic 1st and 3rd Wednesdays in each month, 2.30 p.m.
Meole Brace	Memorial Hall	Child Welfare Clinic, 1st and 3rd Thursdays in each month, 2.45 to 4.30 p.m.
Springfield	Church Hall	Child Welfare Clinic, 2nd and 4th Tuesdays, in each month, 1.30 to 4.30 p.m.

Attendances during the year are given below:—

Children	Harles- cott	Monk- moor	Muri- vance	White House	Meole Brace	Spring- field
Born in 1964	 1,407	523	1,022	1,566	361	274
Born in 1963	 1,852	654	733	1,454	422	316
Born in 1959-1962	 889	340	315	795	215	135
Total attendances	 4,148	1,517	2,070	3,815	998	725
No. of Children attending	 489	202	390	547	174	95
Expectant Mothers						
Cases	 		171	163		
Attendances	 	Anna Con	282	266		

The Family Planning Association, Shrewsbury Branch, provide a weekly clinic for advice and instruction on family planning. This clinic is held at Murivance Health Centre on Mondays, from 1.30 to 3.30 p.m.

Dental Care

The County Council provide full dental care, including the provision of dentures where necessary, and orthodontic treatment for expectant and nursing mothers, children under school age and children attending the Education Authority schools.

The Dental Clinic at 5 Belmont has its own X-ray apparatus

and full technical and professional staff.

Orthopaedic Treatment

Orthopaedic surgeons from the Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, hold regular sessions in St. Chad's Church Hall, and children can be referred there from child welfare and school clinics.

Hospital Facilities

In-patient and out-patient hospital facilities are available as follows:—

Eye, Ear, Nose and Throat conditions:

Eye, Ear and Throat Hospital, Murivance.

General Medical and Surgical treatment:

Royal Salop Infirmary. Copthorne Hospital. Monkmoor Hospital.

Infectious Diseases:

Copthorne Hospital, Isolation Ward.

Mental Illness:

Shelton Hospital.

DISINFECTION AND DISINFESTATION

A summary of work carried out by the Public Health Inspectors in connection with infectious disease, disinfection and disinfestation is as follows:—

Visits made in connection with infectious disease 44

DESTRUCTION OF RATS AND MICE

At the end of the year the number of premises under contract with the Corporation for disinfestation was as follows:—

Business premises	• • •	• • •	• • •	• • •	49
Private dwelling-houses					1

The Rodent Operative made 1,557 visits to premises in the course of his duties during the year.

NATIONAL ASSISTANCE ACTS 1948 AND 1951

Removal to suitable premises of Persons in need of care and attention

It was not found necessary to make any application for compulsory removal to hospital.

	INDE	K			PAGE
Abattoir, Public				 	36
Area of Borough			• • •	 	7
Births	• • •			 	11
Closet Accommodation				 	18
Complaints received	• • •	1 • •	• • •	 	20
Deaths		,		 	13
Deaths, Causes of	• • •	• • •	• • •	 	12
Deaths, Infant				 	14
Diphtheria Immunisation	• • •			 	43
Disinfection and Disinfesta	tion			 	46
Drainage				 	18
Factory Acts				 	27
Food and Drugs Acts				 	33
Health Services				 	45
Housing				 	29
Ice Cream	•••	•••		 	32
Inspection and Supervision				 	32
Infectious and Other Disea				 	41
Milk Supply	• • •			 	35
Municipal Hostel				 	31
National Assistance Acts				 	47
Pest Destruction			• • •	 • • •	47
Population				 • • •	11
Public Cleansing	• • •			 	18
Rateable Value				 	7
Sanitary Circumstances of	Area			 •••	15
Sanitary Inspection				 • • •	20
Sewerage	•••		• • •	 • • •	18
Staff	•••		• • •	 	3
Statistics, General	•••			 	7
Statistics, Vital				 	10
Stillbirths	•••			 	11
Swimming Baths				 • • •	18
Tuberculosis				 	42
Water Supply	• • •		•••	 	17
	• • •		• • •	 	8
Whooping Cough Immunis				 	43
Vaccination	• • •			 	43



